

Name \_\_\_\_\_  
Chem 226/ Fall 2004

Section \_\_\_\_\_  
Dr. Rusay

*Pre lab & Report Form*  
*Lehman Experiment #15: TLC of Drug Components*

Pre lab: Complete the following table for all of the analgesics except for the last column (Experimental  $R_f$ ). That will be completed for the final report. Follow the operational instructions in your lab textbook. Record your data in your lab notebook in the format noted in the class syllabus. Final Report: attach the "carbon" copies of your notebook pages and the chromatograms to this form as your final report. Be sure to include the calculated experimental  $R_f$  values in the last column. Circle the analgesic(s)' name(s) that are present in your unknown. Answer the questions from the Web laboratory assignment page.

<http://ep.llnl.gov/msds/orgchem/Chem226/226assign-04.html#exp15>

Unk #:	Structure	Function(s)	Molecular Formula	(R <sub>f</sub> max) Polar or. Non-polar	Exp. R <sub>f</sub>
Analgesic					
aspirin					
acetamino- phen					
ibuprofen					
caffeine					
ketoprofen					
naproxen					